

**METHOD, SYSTEM AND FACILITY FOR CONTROLLING RESOURCE
ALLOCATION WITHIN A MANUFACTURING ENVIRONMENT**

ABSTRACT OF THE DISCLOSURE

A method and system provide for the control of resource allocation within a build-to-order manufacturing environment. One example embodiment of a method
5 according to the present disclosure includes an operation for monitoring a work-in-process (WIP) profile that represents dynamic attributes of an area in a manufacturing facility. A user interface in a control center for the manufacturing facility may be
10 automatically updated to depict one or more of the dynamic attributes in substantially real time, based on one or more of the WIP profiles. After the user interface is updated, user input that specifies a desired reallocation of resources for the manufacturing facility
15 may be received. The user input may trigger communications with one or more areas in the manufacturing facility to implement the desired reallocation of resources. Alternative embodiments may include additional or alternative features, such as
20 features for error detection and recovery.